

WASTE SITE RECLASSIFICATION FORM

Operable Unit: 300-FF-2

Control No.: 2013-096

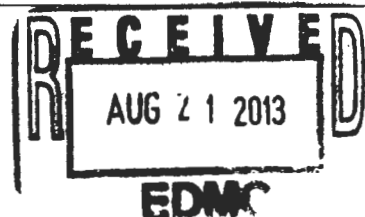
Waste Site Code(s)/Subsite Code(s):300-39; 309 Building Ex-Vessel Irradiated Fuel Storage Basin; 309 Building Irradiated Fuel Storage Basin;
309 Fuel Storage Basin**Reclassification Category:** Interim ☐ Final ☒**Reclassification Status:** Closed Out ☐ No Action ☐ Rejected ☒RCRA Postclosure ☐ Consolidated ☐ None ☐**Approvals Needed:** DOE ☒ Ecology ☐ EPA ☒**Description of current waste site condition:**

The 300-39 waste site is synonymous with the 309 Building and is located within the 300-FF-2 Operable Unit. The fuel storage basin is empty. All fuel handling and storage equipment has been removed. Gates, stoplogs, and fixtures have been removed and all that remains are studs where the equipment was located. The basin has been covered with a plywood, sheet metal, and metal grating cover supported by channel iron. This cover made it impossible to check the basin overflow drain system to see if they have been plugged. The fuel storage basin is "L" shaped and may be described as having two sections. The largest section is the fuel storage basin which runs north/south and was the first pit built; the pit is 12.2 m (40 ft) long, 6.1 m (20 ft) wide and 10.4 m (34 ft) below grade. The other section is the loadout facility which has two sections that run east/west and are smaller than the original basin and were built as the first basin reached capacity; one basin is 7.9 m (26 ft) long, 1.5 m (5 ft) wide, and 7.9 m (26 ft) below grade and the other is 7.3 m (24 ft) long, 2.4 m (8.0 ft) wide, 7.9 m (26 ft) below grade. The ion vault and the truck bay are located at the east end of the loadout facility.

The main air lock from the reactor containment vessel opens into the storage basin area which is the point of connection of the service building and reactor containment vessel. An under water fuel transfer opening between the containment vessel and the storage basin permitted irradiated fuel elements to be moved to the basin for storage or "green fuel" to the reactor for recharging. A fuel element loadout facility adjoins the storage basin area on the east side. It is from this facility that elements were loaded in shielding casks and shipped to the 327 Building or the 200 Area by truck.

Basis for reclassification:

The 309 facility is covered by a *Comprehensive Environmental Response, Compensation, and Liability Act of 1980* removal action and does not represent a separate waste site under the TPA-MP-14 process. TPA-MP-14 Rev. 2 dated 9/1/2011 states that buildings/facilities which do not contain a TSD unit shall not be documented in WIDS. This facility contained no TSD units and does not meet MP-14 criteria. Therefore, the 300-39 waste site has been reclassified as "Rejected".



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309 Fuel Storage Basin

Regulator comments:

Waste Site Controls:

Engineered Controls: ☐ Yes ☒ No Institutional Controls: ☐ Yes ☒ No O&M Requirements: ☐ Yes ☒ No

If any of the Waste Site Controls are checked Yes, specify control requirements including reference to the Record of Decision, TSD Closure Letter, or other relevant documents:

 T. K. Teynor

DOE Federal Project Director (printed)


Signature

8-12-2013
Date

N/A

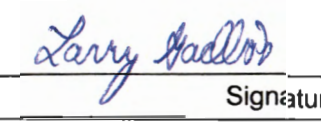
Ecology Project Manager (printed)

Signature

Date

L. E. Gadbois

EPA Project Manager (printed)


Signature

Aug 13 2013
Date